# Product datasheet

Specifications




## Harmony K1, K2, Cam switch, 3 poles, with off position, 45° switching angle, 20 A, multi-fixing

K2C003ALH

Discontinued on: 1 Dec 2024

To be discontinued

## Main

| | |
|---|---|
| **Range of product** | Harmony K |
| **Product or component type** | Complete cam switch |
| **Component name** | K2 |
| **[Ith] conventional free air thermal current** | 20 A |
| **Mounting location** | Front |
| **fixing mode** | Multifixing |
| **Cam switch head type** | With front plate 45 x 45 mm |
| **Type of operator** | Black handle, length = 35 mm |
| **Rotary handle padlocking** | Without |
| **Presentation of legend** | With metallic legend, 0 - 1 black marking |
| **Cam switch function** | Switch |
| **Return** | Without |
| **Off position** | With Off position |
| **Poles description** | 3P |
| **Switching positions** | Right: 0° - 45° |
| **IP degree of protection** | IP40 conforming to IEC 60529 |

## Complementary

| | |
|---|---|
| **Switching angle** | 45 ° |
| **[Ui] rated insulation voltage** | 690 V (pollution degree 3) conforming to IEC 60947-1 |
| **[Ithe] conventional enclosed thermal current** | 16 A |
| **Electrical durability** | 200000 cycles AC-23<br>200000 cycles AC-3<br>600000 cycles AC-15<br>600000 cycles AC-21 |
| **Maximum operating rate** | 2.5 cyc/mn AC-21<br>2.5 cyc/mn AC-23<br>2.5 cyc/mn AC-3<br>8.333 cyc/mn AC-15 |
| **Short-circuit current** | 10000 A |
| **Short-circuit protection** | 20 A cartridge fuse, type gG |
| **[Uimp] rated impulse withstand voltage** | 4 kV in isolating function<br>6 kV conforming to IEC 947-1 |
| **Contact operation** | Slow-break |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **positive opening** | With |
| **Electrical connection** | Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm²<br>Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm² |
| **Mechanical durability** | 1000000 cycles |
| **CAD overall width** | 45 mm |
| **CAD overall height** | 45 mm |
| **CAD overall depth** | 87 mm |
| **Net weight** | 0.133 kg |

## Environment

| | |
|---|---|
| **Standards** | IEC 60947-3 for power circuit<br>IEC 60947-5-1 for control circuit<br>CENELEC EN 50013<br>GB/T 14048.5 for control circuit<br>GB/T 14048.3 for power circuit |
| **Product certifications** | CSA 240 V 3 hp 3 phases 2 -pole(s)<br>UL 240 V 0.33 hp 1 phase 2 -pole(s)<br>CSA 240 V 1 hp 1 phase<br>UL 240 V 1 hp 3 phases<br>CCC |
| **Protective treatment** | TC |
| **Ambient air temperature for operation** | -25…55 °C |
| **Ambient air temperature for storage** | -40…70 °C |
| **Shock resistance** | 30 gn conforming to IEC 68-2-27 |
| **Vibration resistance** | 5 gn conforming to IEC 68-2-6 (f = 10…150 Hz) |
| **Overvoltage category** | Class II conforming to IEC 536<br>Class II conforming to NF C 20-030 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 6.500 cm |
| **Package 1 Width** | 6.500 cm |
| **Package 1 Length** | 11.000 cm |
| **Package 1 Weight** | 147.800 g |
| **Unit Type of Package 2** | S01 |
| **Number of Units in Package 2** | 10 |
| **Package 2 Height** | 15 cm |
| **Package 2 Width** | 15 cm |
| **Package 2 Length** | 40 cm |
| **Package 2 Weight** | 1.617 kg |
| **Unit Type of Package 3** | P06 |
| **Number of Units in Package 3** | 320 |
| **Package 3 Height** | 75.000 cm |
| **Package 3 Width** | 60.000 cm |
| **Package 3 Length** | 80.000 cm |

| | |
|---|---|
| **Package 3 Weight** | 59.904 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |